

# Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.  
DOCKET NO.: 066243-0264 (146041)

1 / 16

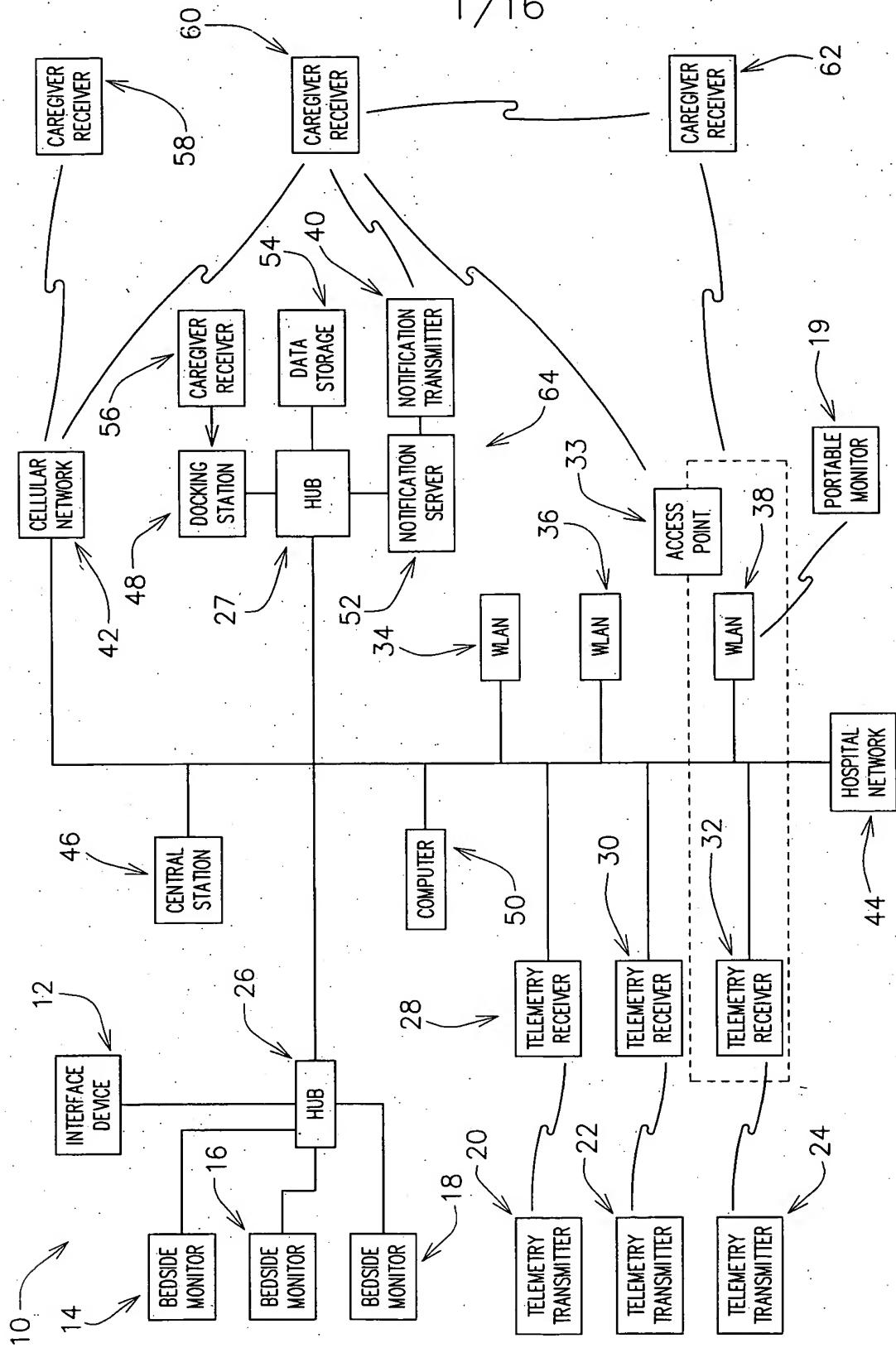
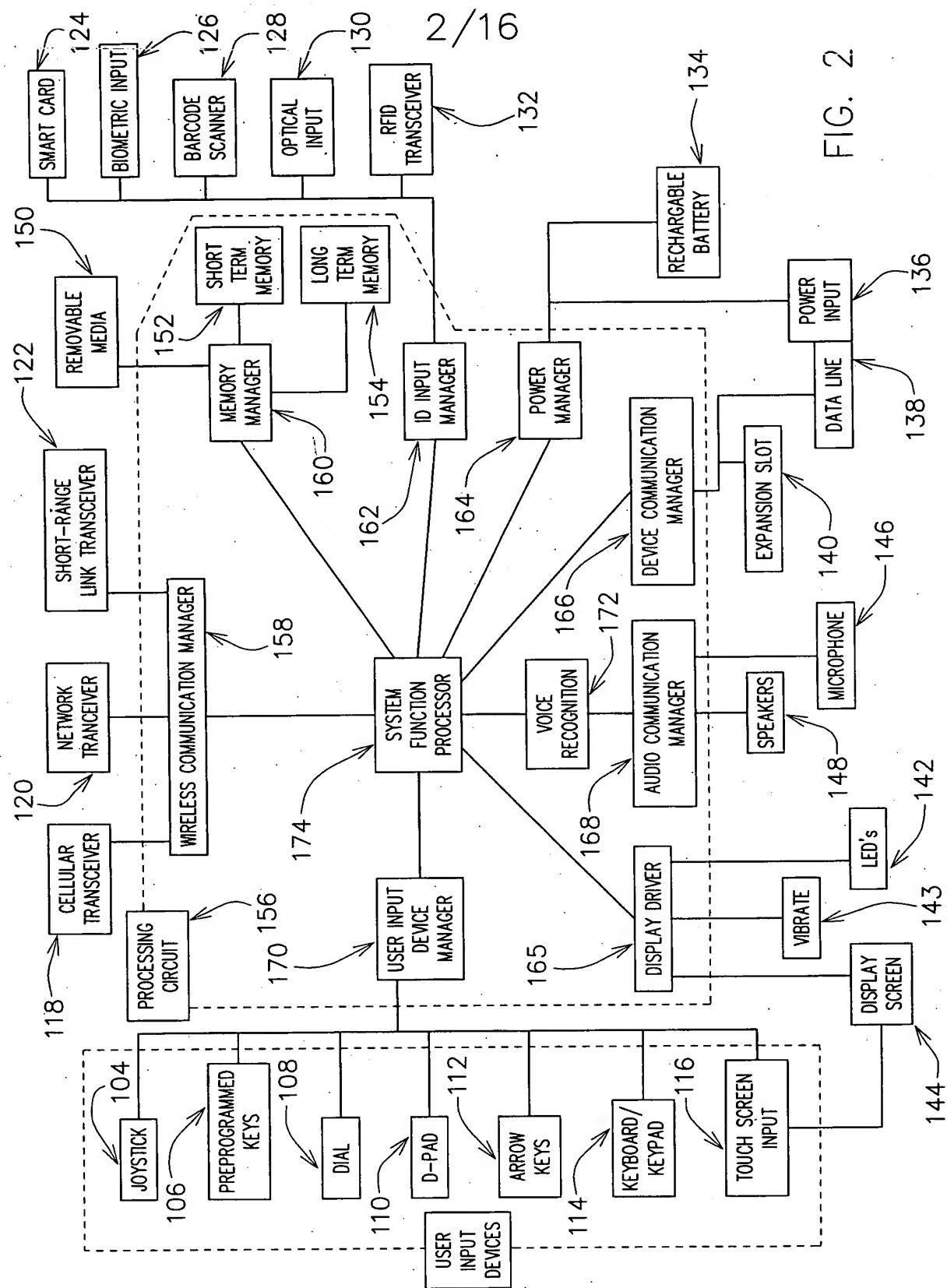


FIG. 1

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)



Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

3/16

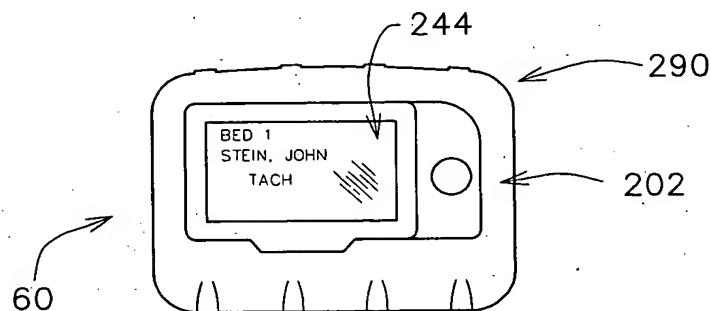


FIG. 3A

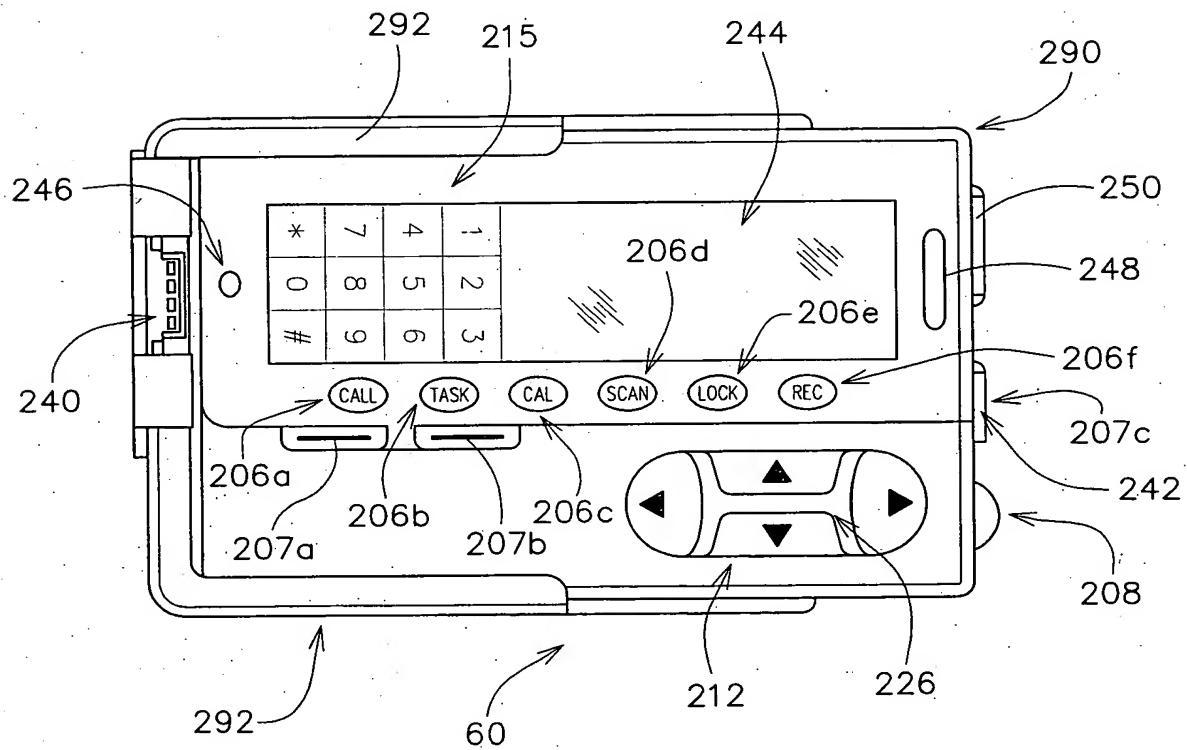


FIG. 3B

4/16

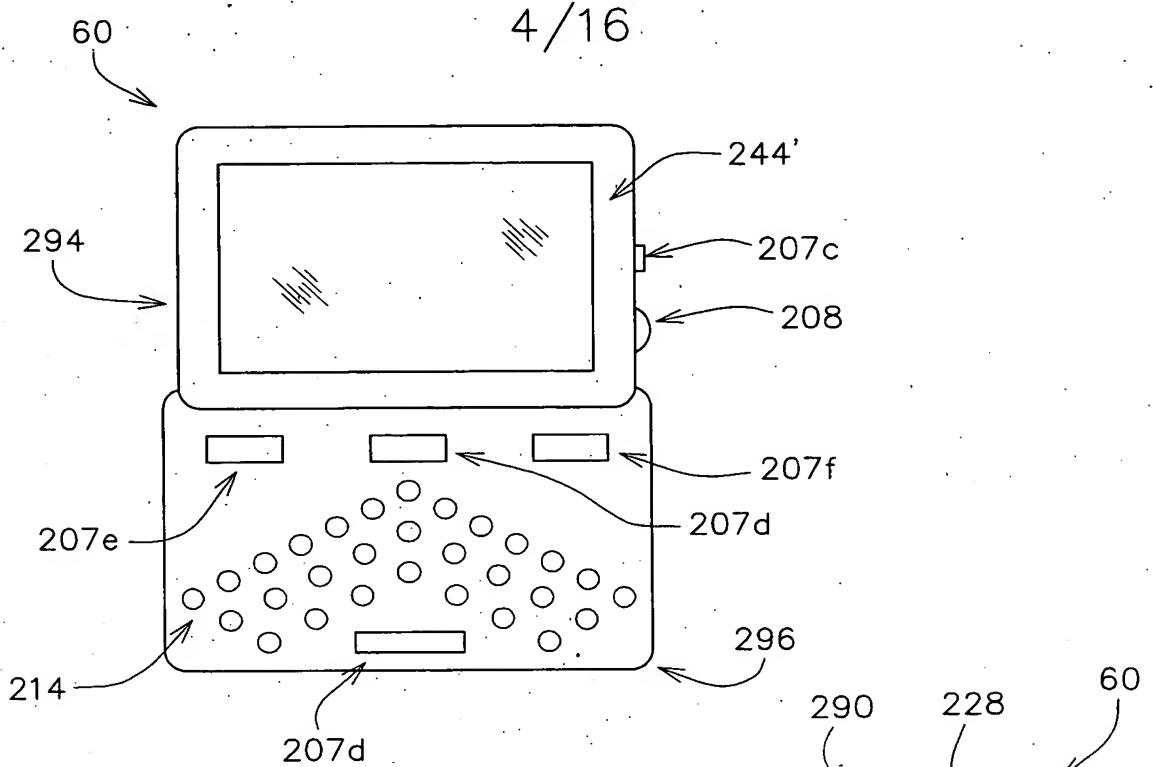


FIG. 3C

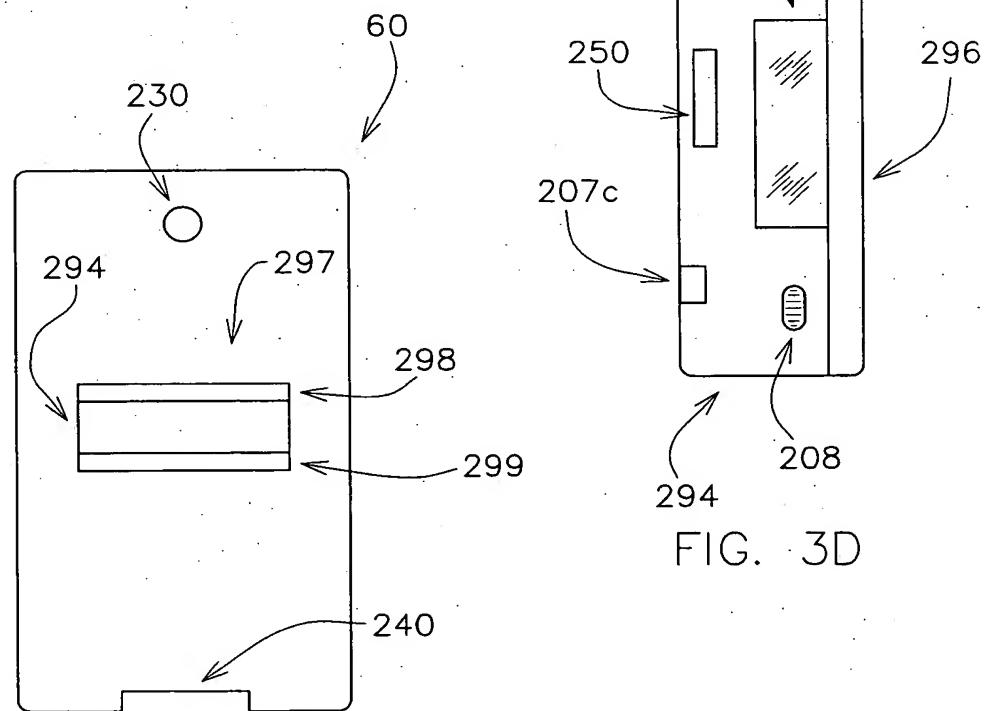


FIG. 3D

FIG. 3E

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

5/16

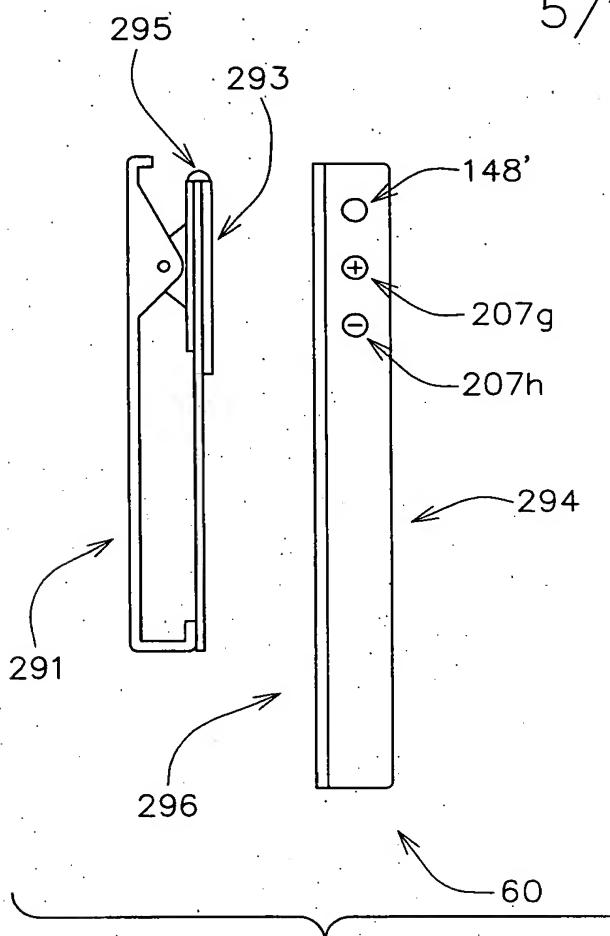


FIG. 3F

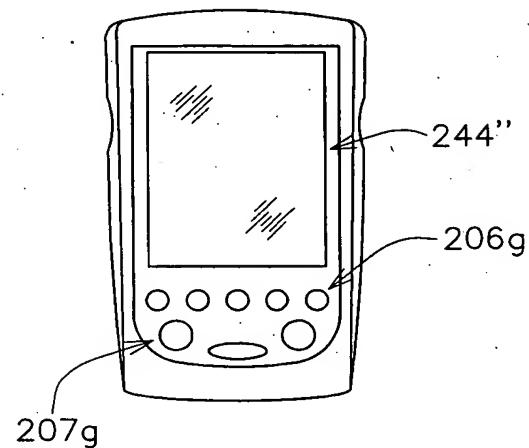


FIG. 3G

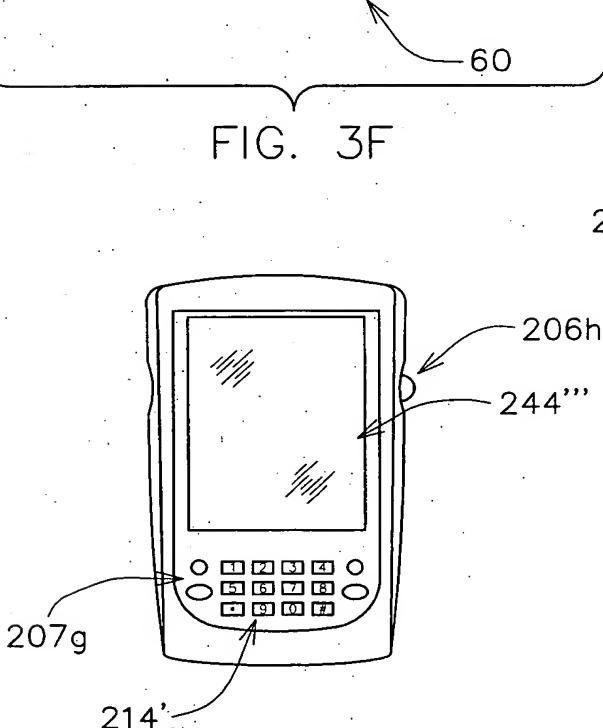


FIG. 3H

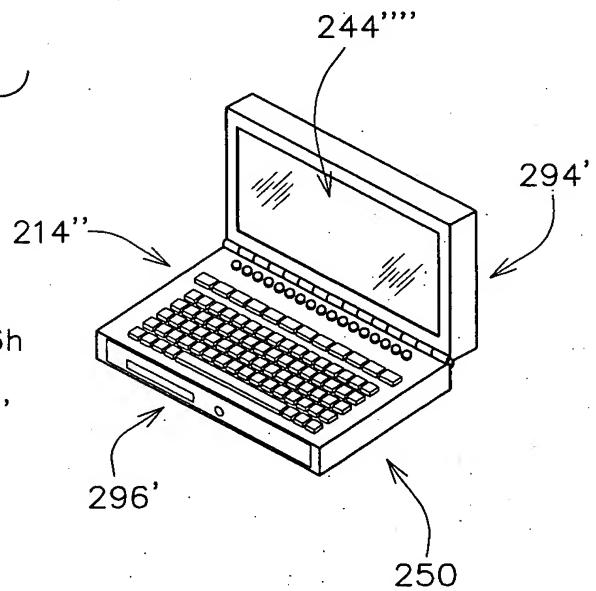


FIG. 3I

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

6/16

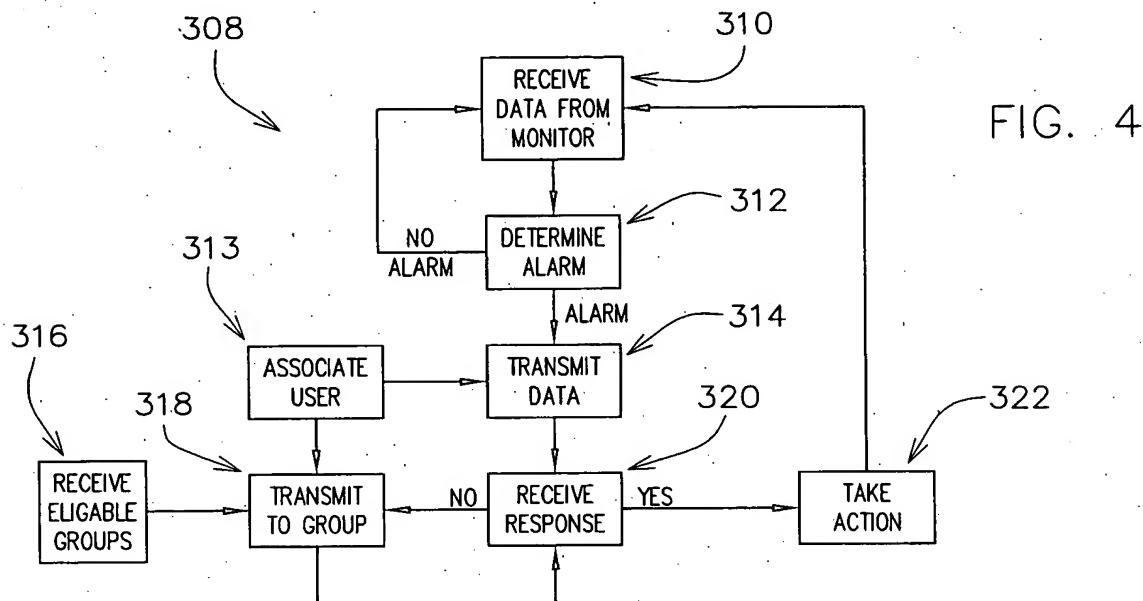


FIG. 4

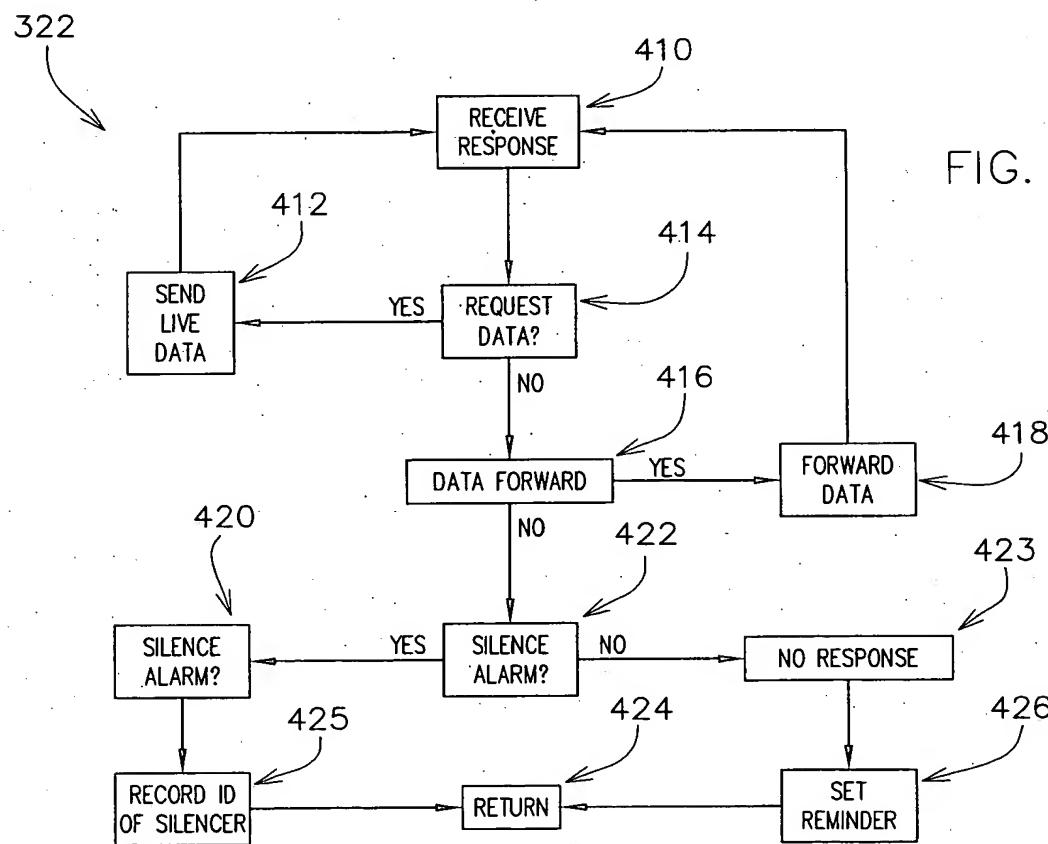


FIG. 5

7 / 16

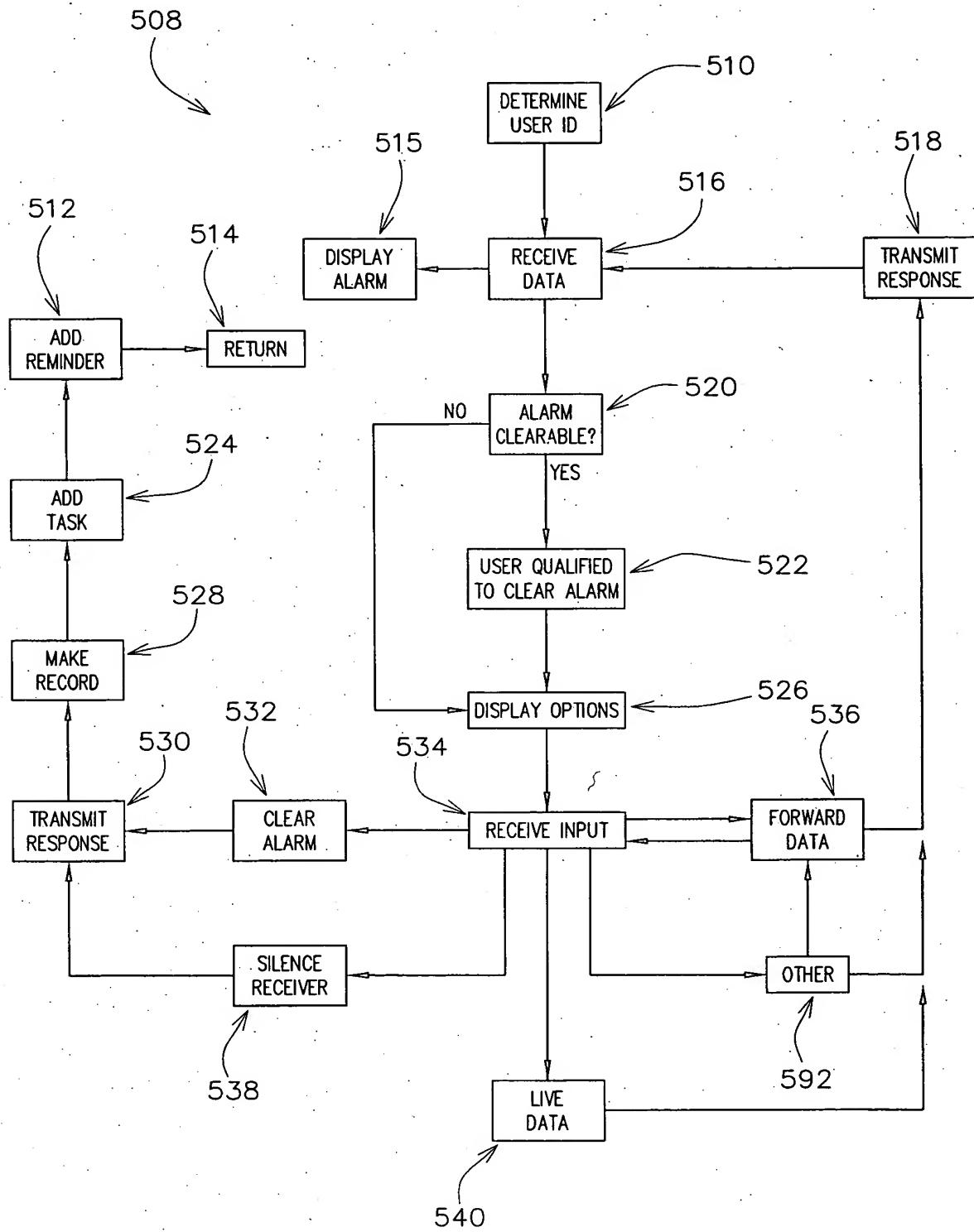
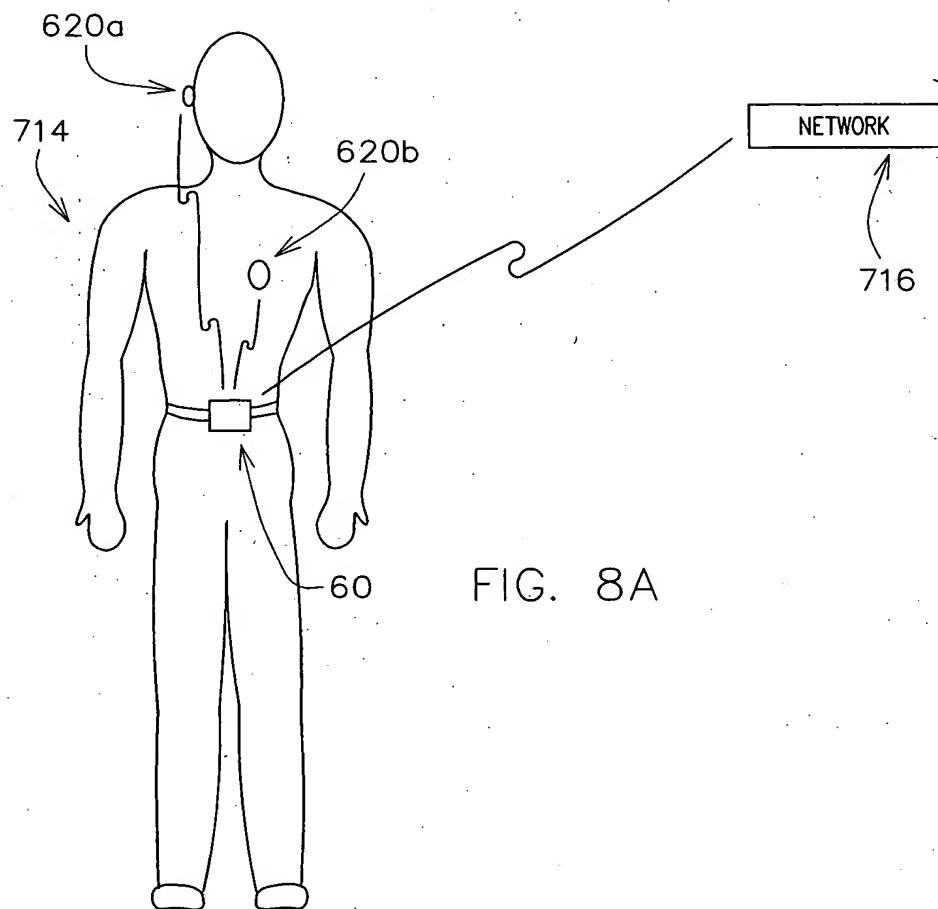
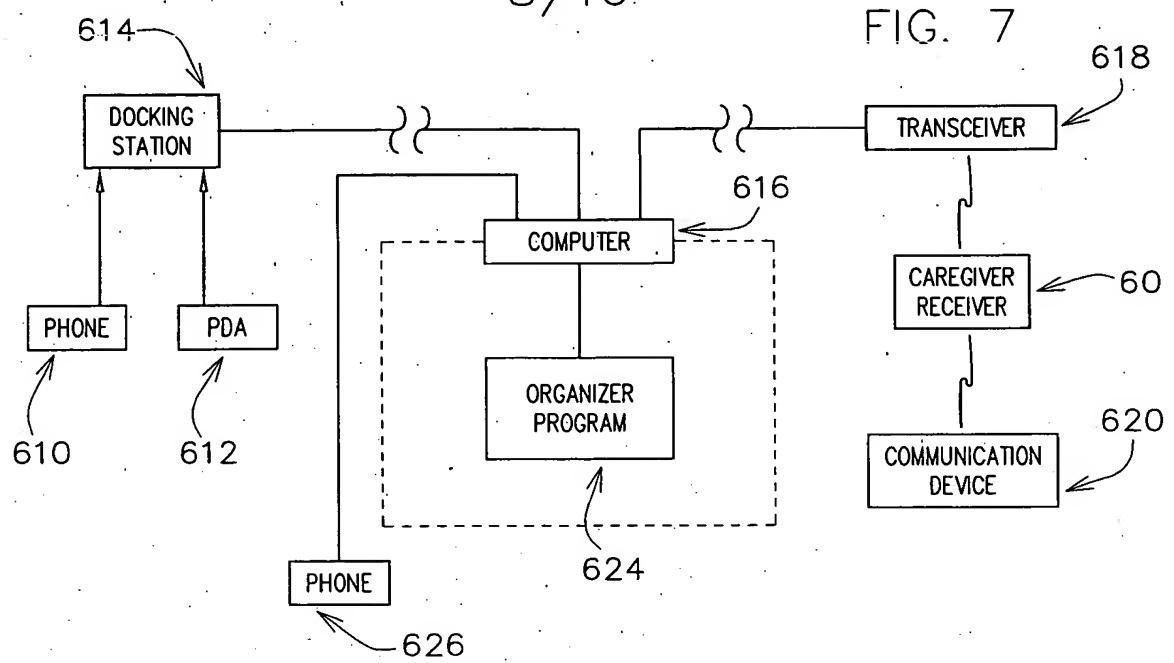


FIG. 6

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS  
Inventor(s): David C. Hastings, Ph.D.  
DOCKET NO.: 066243-0264 (146041)

8/16



Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

9/16

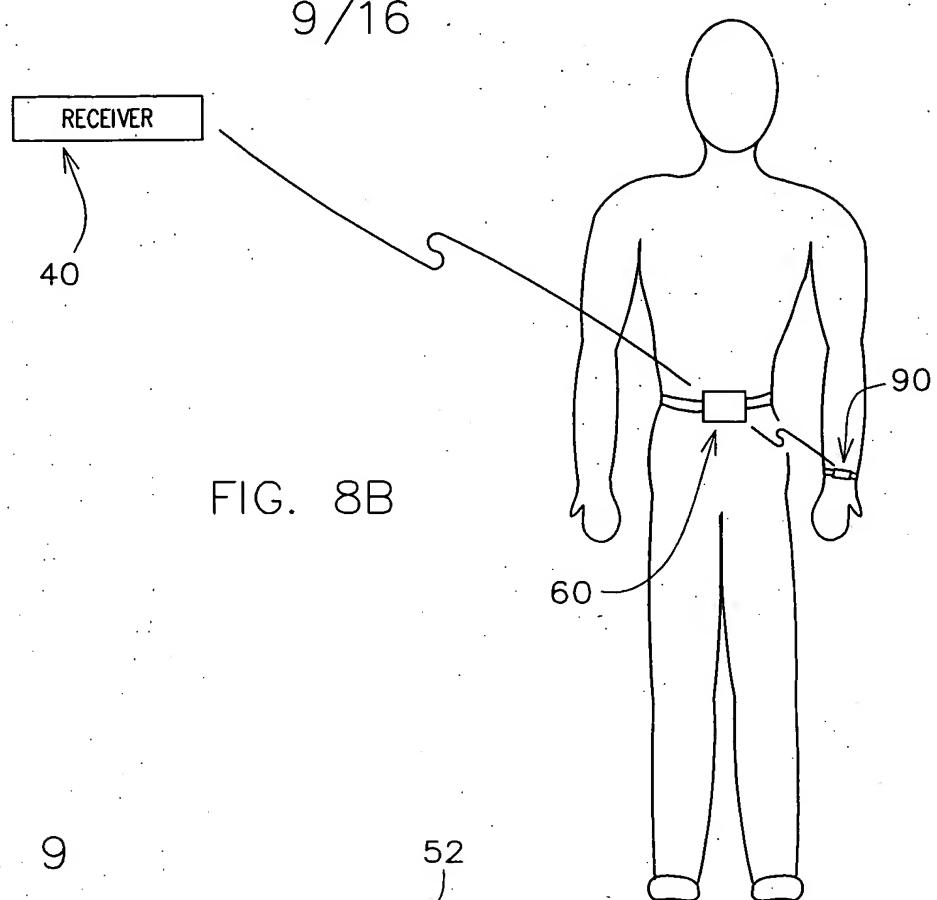
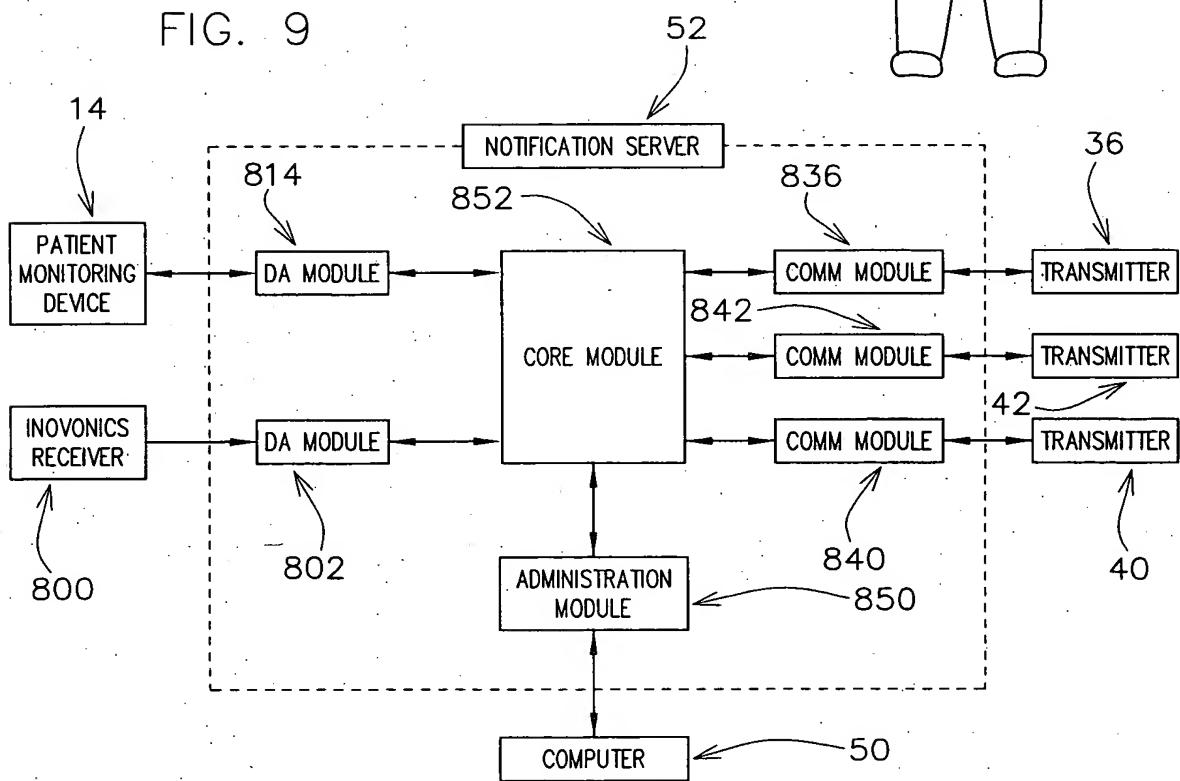


FIG. 8B

FIG. 9



Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

10/16

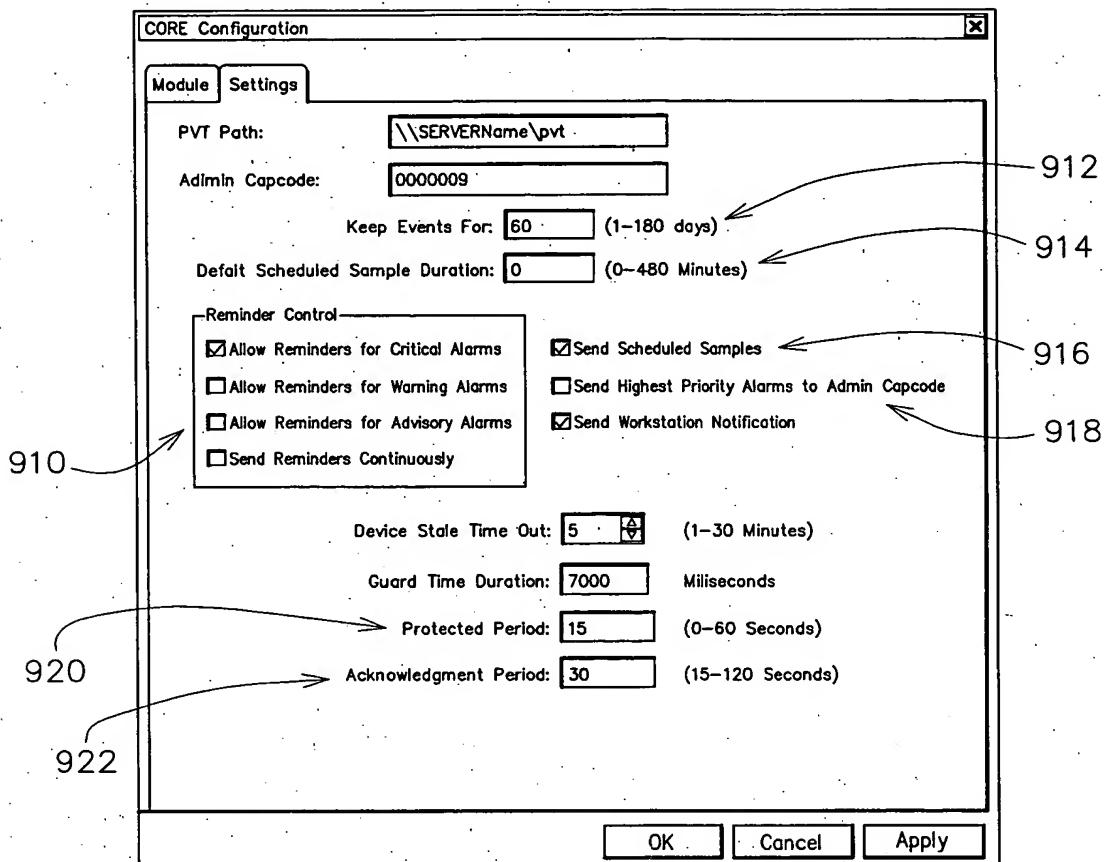


FIG. 10A

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

FIG. 10B

11/16

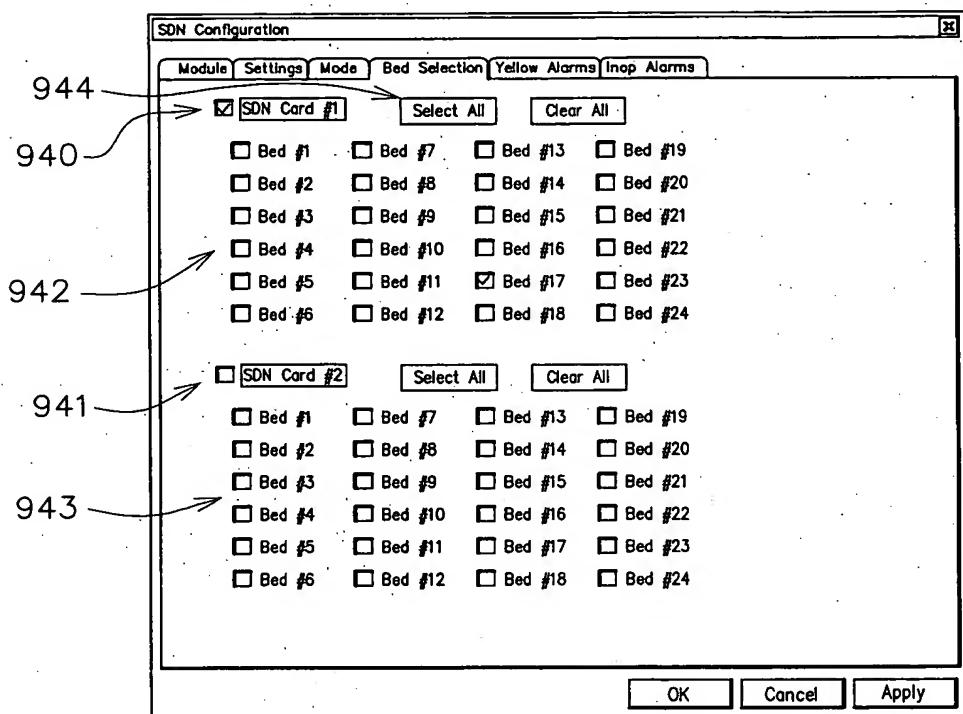
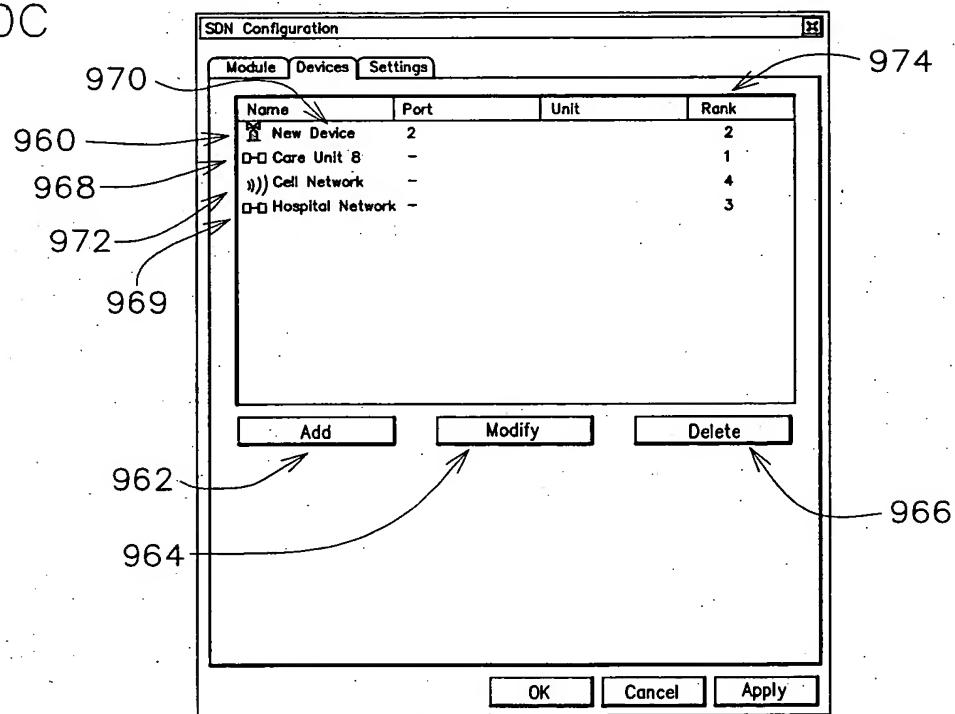


FIG. 10C



Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

FIG. 11A

12/16 1416

PATIENTS CAREGIVERS		UNIT: LAB1		Caregiver Administration
				[Caregiver_Setup (Add/Remove)] [Clear Assignments For All Caregivers] [Group_Setup]
Name	Receiver Number	Unit	Pendant Id	Options
Caregiver_3	0020126	LAB1	eeddcc	[Send Page] [Change Name] [Patient Assignment] [Schedules]
Caregiver_2	0020125	LAB1	aabbcc	[Send Page] [Change Name] [Patient Assignment] [Schedules]
Caregiver_1	0020123	LAB1	abcdef	[Send Page] [Change Name] [Patient Assignment] [Schedules]
Everyone	0000009	LAB1		[Send Page]
Group_1		LAB1		[Send Page] [Change Name] [Patient Assignment]

1414 → [Caregiver\_Setup (Add/Remove)] [Clear Assignments For All Caregivers] [Group\_Setup] ← 1418

1402 ↑ 1404 ↑ 1406 ↑ 1408 ↑ 1410 ↑ 1412 ↑

FIG. 11B

1421

PATIENTS CAREGIVERS		Caregiver Setup		
		[Add Caregiver]		
Name	Receiver Number	Unit	Pendant Id	Options
Caregiver_1	0020123	LAB1	abcdef	[Remove] [Edit]
Caregiver_2	0020125	LAB1	aabbcc	[Remove] [Edit]
Caregiver_3	0020126	LAB1	eedccc	[Remove] [Edit]

1420 ↑ 1404 ↑ 1406 ↑ 1408 ↑ 1410 ↑ 1412 ↑

FIG. 11C

PATIENTS CAREGIVERS		UNIT: LAB1		Add Caregiver
1424 → Name: Jane Wilson (Required. Can be a maximum of 20 characters)	1426 → Receiver Id: 1234567	1428 → Unit: LAB1	1430 → Pendant Id: aabbcc (Optional. Must be 5 characters)	Groups
<input type="button" value="Add"/> <input type="button" value="Reset"/>				Available Groups LAB1 All Nurse Manager LAB1 Nurse Manager All Cardiac Care
<a href="#">[Back to Caregiver Setup]</a> <a href="#">[Back to Caregiver Administration]</a> <a href="#">[Set Info for Caregiver]</a>				Assign

1432 → 1427 → 1434 → 1435

FIG. 11D

13/16

PATIENTS CAREGIVERS				UNIT: LAB8	Assign Patient(s) to Caregiver_3
Patients currently assigned to Caregiver_3					
Position	Patient	Bed	Options		
This caregiver is not assigned to any patients					
				<a href="#">[Remove All Assignments for Caregiver_3]</a>	
Available Patients: <a href="#">[Sort by Name]</a> <a href="#">[Sort by Bed]</a> Bed: BED68 (LAB8;BED68) Bed: BED2 (Patient 2) Bed: BED4 (8 Patient) Bed: BED5 (Patient 7) <input type="button" value="Assign"/> <input type="button" value="Get"/>					

1438 → 1442 → 1440 → 1446

FIG. 11E

PATIENTS CAREGIVERS				UNIT: LAB8	Assign Patient(s) to Caregiver_3
Patients currently assigned to Caregiver_3					
Position	Patient	Bed	Options		
1	PATIENT 9	BED2	<a href="#">[Remove Assignment]</a>		
1	8 PATIENT	BED4	<a href="#">[Remove Assignment]</a>		
2 (Cardiac)	PATIENT 7	BED5	<a href="#">[Remove Assignment]</a>		
				<a href="#">[Remove All Assignments for Caregiver_3]</a>	
Available Patients: <a href="#">[Sort by Name]</a> <a href="#">[Sort by Bed]</a> Bed: BED68 (LAB8;BED68) <input type="button" value="Assign"/> <input type="button" value="Get"/>					

1438 → 1442 → 1440 → 1446 → 1452 → 1450 → 1456 → 1448 → 1454

FIG. 11F

PATIENTS CAREGIVERS				UNIT: LAB8	Assign a Caregiver to this Patient																												
<table border="1"> <tr> <td>Patient</td> <td>Unit</td> <td>Bed</td> <td></td> </tr> <tr> <td>Patient 8</td> <td>LAB8</td> <td>BED2</td> <td></td> </tr> </table>				Patient	Unit	Bed		Patient 8	LAB8	BED2																							
Patient	Unit	Bed																															
Patient 8	LAB8	BED2																															
				<table border="1"> <thead> <tr> <th>Name</th> <th>Receiver Number</th> <th>Unit</th> <th>Options</th> </tr> </thead> <tbody> <tr> <td>Caregiver_99</td> <td>1234567</td> <td>LAB8</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> <tr> <td>Caregiver_1</td> <td>0020123</td> <td>LAB8</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> <tr> <td>Caregiver_2</td> <td>0020125</td> <td>LAB8</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> <tr> <td>Caregiver_3</td> <td>0020126</td> <td>LAB8</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> <tr> <td>LAB8 All</td> <td></td> <td>LAB8</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> <tr> <td>Nurse Manager All</td> <td></td> <td>Multiple</td> <td><a href="#">Assign [1] [2] [3]</a></td> </tr> </tbody> </table>		Name	Receiver Number	Unit	Options	Caregiver_99	1234567	LAB8	<a href="#">Assign [1] [2] [3]</a>	Caregiver_1	0020123	LAB8	<a href="#">Assign [1] [2] [3]</a>	Caregiver_2	0020125	LAB8	<a href="#">Assign [1] [2] [3]</a>	Caregiver_3	0020126	LAB8	<a href="#">Assign [1] [2] [3]</a>	LAB8 All		LAB8	<a href="#">Assign [1] [2] [3]</a>	Nurse Manager All		Multiple	<a href="#">Assign [1] [2] [3]</a>
Name	Receiver Number	Unit	Options																														
Caregiver_99	1234567	LAB8	<a href="#">Assign [1] [2] [3]</a>																														
Caregiver_1	0020123	LAB8	<a href="#">Assign [1] [2] [3]</a>																														
Caregiver_2	0020125	LAB8	<a href="#">Assign [1] [2] [3]</a>																														
Caregiver_3	0020126	LAB8	<a href="#">Assign [1] [2] [3]</a>																														
LAB8 All		LAB8	<a href="#">Assign [1] [2] [3]</a>																														
Nurse Manager All		Multiple	<a href="#">Assign [1] [2] [3]</a>																														

1470 → 1474 → 1472

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

14/16

**MEI Configuration**

Module    Alarm Filters    Settings    Parameter Alarms

Place a check mark next to the alarms that should be transmitted as warnings.

	EKG	Crisis	Warning
ST Segment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NBP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SpO2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ART	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RESP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

1150      1152      1154

OK    Cancel    Apply

FIG. 12B

**MEI Configuration**

Module    Alarm Filters    Settings    Parameter Alarms

Checked Alarms are Processed.

Critical ECG Alarms will be Processed Regardless of Entries Below.

Asterisks (\*) can be used for Wild Card Matching.

Add New Filter...    Delete Selected Filters

Filtered Alarm

<input checked="" type="checkbox"/> ACC VENT
<input checked="" type="checkbox"/> APNEA
<input type="checkbox"/> ARR OFF
<input type="checkbox"/> ARR SUSPEND
<input type="checkbox"/> ARTIFACT
<input checked="" type="checkbox"/> BIGEMINY
<input checked="" type="checkbox"/> BRADY
<input type="checkbox"/> COUPLE
<input checked="" type="checkbox"/> HR HI*
<input checked="" type="checkbox"/> HR LO*
<input type="checkbox"/> IRREGULAR
<input type="checkbox"/> LEADS FAIL
<input type="checkbox"/> NBP HI*
<input type="checkbox"/> NBP LO*
<input type="checkbox"/> NO TELE
<input type="checkbox"/> NOISE
<input type="checkbox"/> OFF NETWORK

1110      1112      1114      1116

OK    Cancel    Apply

FIG. 12A

15/16

FIG. 13

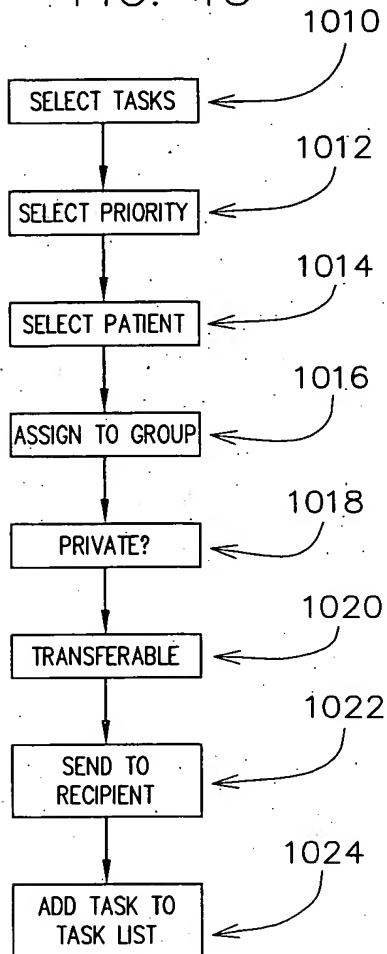


FIG. 14

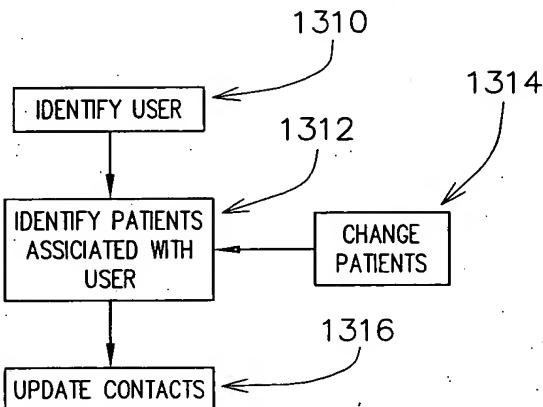
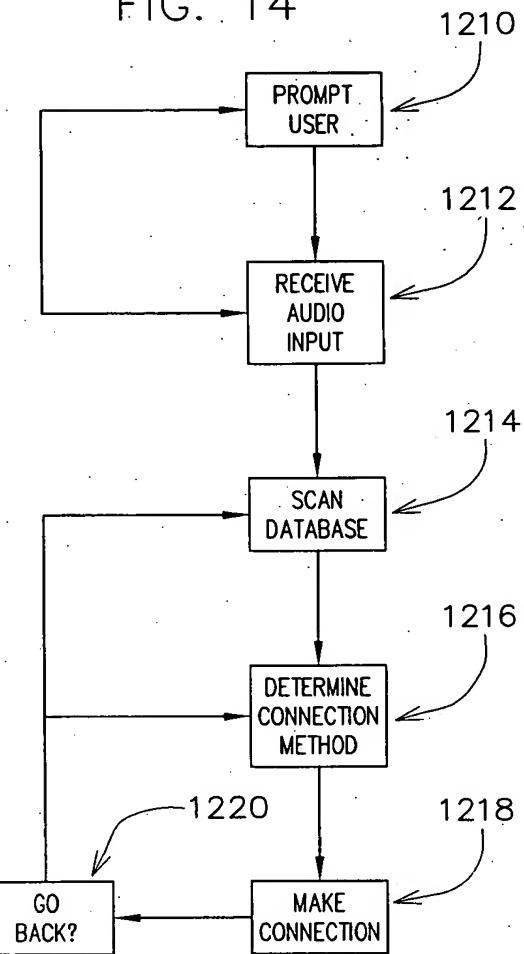


FIG. 15

Title: ALARM NOTIFICATION SYSTEM AND RECEIVER INCORPORATING MULTIPLE FUNCTIONS

Inventor(s): David C. Hastings, Ph.D.

DOCKET NO.: 066243-0264 (146041)

16/16

FIG. 16

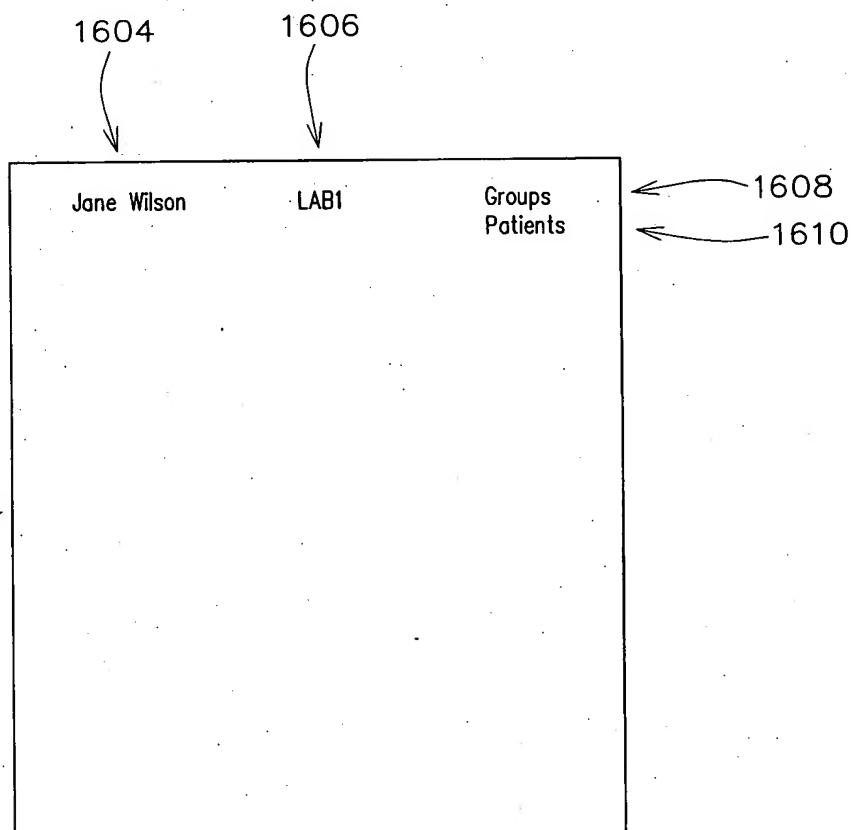
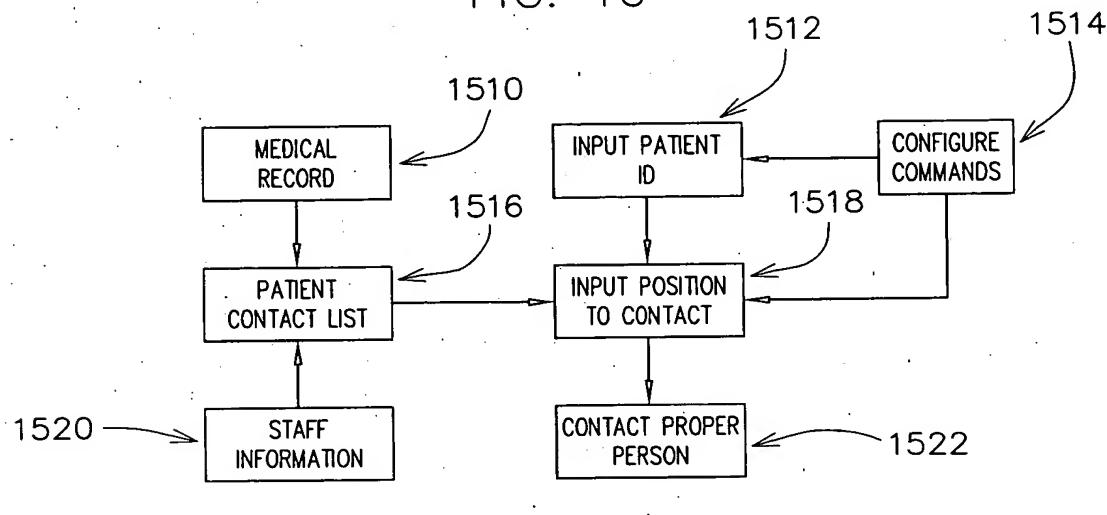


FIG. 17